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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

DECEMBER 1979
Vol. XXIV No. 12

JOB SERVICE

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY
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Issued: December 1979 Reference: Mid-November

PENNSYLVANIA EMPLOYMENT & EARNINGS
NOVEMBER 1979

Total unemployment in Pennsylvania, both seasonally adjusted and unadjusted, dropped in November.

Adjusted for seasonal influences, the rate of unemployment slipped to 7.5 percent of the total civilian labor force in November from 8.3 percent in October. The number of unemployed workers declined to 406,000 in November, down 39,000 from October. Unemployment was somewhat higher than the previous year. Last November, seasonally adjusted unemployment was 390,000 and the rate, 7.3 percent.

The unadjusted rate of unemployment dropped to 6.9 percent in November from 7.9 percent in October. The volume of unemployment was 369,000 in November, a reduction of 57,000 from October. One year ago, unemployment was 352,000 and the rate, 6.6 percent.

Nationwide, the November seasonally adjusted rate was 5.8 percent of the total civilian labor force, down from 6.0 percent in October. The unadjusted rate was 5.6 percent in November, unchanged from October.

MANUFACTURING JOBS EASE OFF

Typically, manufacturing industries are not very active as they approach the year's end. This November was no exception. Dropping 4,000 jobs over the month, factory jobs numbered 1,368,600 showing a leaner November than last year when the total was 6,700 higher. Durables, the stronger of the two groups, was down 2,700, with only ELECTRICAL MACHINERY, TRANSPORTATION EQUIPMENT and INSTRUMENTS reporting any gain. The construction machinery industry was affected by a labor-management dispute involving approximately 3,000 workers. This contributed to the decline in jobs in the NONELECTRICAL MACHINERY industry group. PRIMARY METALS showed no change in job level from the previous month. Excepting LUMBER AND WOOD, STONE, CLAY AND GLASS, and MISCELLANEOUS MANUFACTURING, durables managed to hold a slim margin over last November.

While nondurables declined only slightly from October, on a year-to-year basis, they fell heavily on the negative side. No strengths appeared anywhere in this group. Compared with last November, a few managed to eke out bare increases but most ended on the down side. As a result, nondurables dropped more than 15,000 below last November's job level. The most significant loss – 10,600 – occurred in the APPAREL industry.

HOURS AND EARNINGS RISE

Production worker earnings, averaging $7.25 an hour in November, increased ten cents from mid-October. The workweek, at 40.6 advanced eight-tenths of an hour, marking the high point of the year.

TRANSPORTATION EQUIPMENT excepted, this trend in hours and earnings was reflected in every other facet of the state's vast manufactuing complex. Contributing factors included basic wage increases and additional premium paid hours in a number of PRIMARY METAL and STONE, CLAY AND GLASS firms. Other industries, notably, FOOD, PAPER and PETROLEUM, reported an upswing in premium paid hours, - overtime - resulting in higher earnings and more than an hour increase in production manhours.

Nationwide, the average factory worker earned $6.85 an hour for a 40.2 hour workweek.

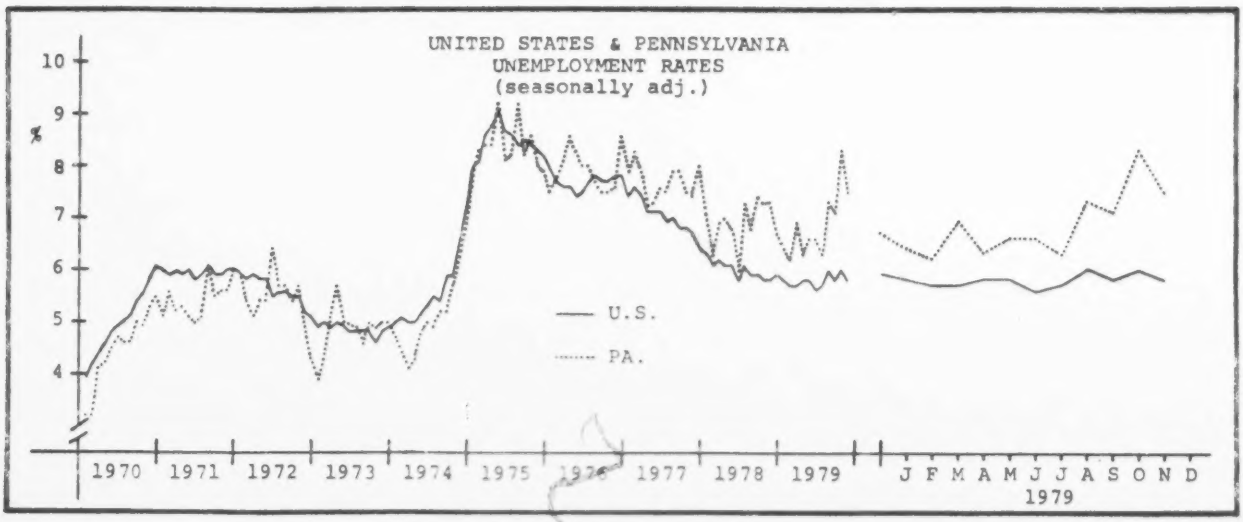
FACTORY TURNOVER DWINDLES

Caution seemed to be the prevailing mood among manufacturing industry workers during October. Workers were not readily leaving their jobs for there seemed to be few 'greener pastures'. Industries in general were not hiring as profusely as in previous months - new hires were down six percent; recalls remained unchanged. Separations declined eleven percent as quits slumped from 16 per thousand workers in September to 11 per thousand in October. Layoffs increased very slightly.

NON-FACTORY JOBS INCREASE

Nonmanufacturing industies evidenced seasonal vigor during November. MINING, WHOLESALE TRADE and FINANCE INSURANCE AND REAL ESTATE registered somewhat subdued gains. GOVERNMENT jobs increased by more than 11,000 and RETAIL TRADE displayed a seasonal growth of 10,200, a bit less than average for this month. CONSTRUCTION cut back 5,000 jobs, SERVICES dropped 3,300 and TRANSPORTATION lost 1,300.

A year ago, RETAIL TRADE was 17,000 higher and CONSTRUCTION, 10,000. Only SERVICES and FINANCE showed any healthy over-the-year gains, 26,100 and 8,100, respectively.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1978 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1977. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1961	4,508.0	4,080.9	427.1	9.5		70,459.0	65,746.0	4,714.0	6.7	
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,833.0	4,618.0	215.0	4.4		82,715.0	78,627.0	4,088.0	4.9	
1971	4,803.0	4,543.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,875.0	4,609.0	265.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,069.0	4,647.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,168.0	4,770.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,252.0	4,888.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1978 Nov	5,332.0	4,980.0	352.0	6.6	7.3	101,659.0	96,029.0	5,629.0	5.5	5.8
Dec	5,347.0	5,026.0	320.0	6.0	6.7	101,632.0	95,906.0	5,725.0	5.6	5.9
1979 Jan	5,276.0	4,900.0	376.0	7.1	6.4	100,867.0	94,436.0	6,431.0	6.4	5.8
Feb	5,240.0	4,845.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar	5,277.0	4,865.0	412.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr	5,186.0	4,866.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,217.0	4,922.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun	5,343.0	4,959.0	384.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.6
Jul	5,398.0	5,058.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug	5,350.0	4,977.0	373.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	6.0
Sep	5,301.0	4,944.0	357.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8
Oct	5,364.0	4,938.0	426.0	7.9	8.3	103,939.0	98,158.0	5,781.0	5.6	6.0
Nov	5,375.0	5,006.0	369.0	6.9	7.5	103,719.0	97,943.0	5,776.0	5.6	5.8

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From–	
	Nov. 1979	Oct. 1979	Nov. 1978	Oct. 1979	Nov. 1978
TOTAL CIVILIAN LABOR FORCE	5,375.0	5,364.0	5,332.0	11.0	43.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	369.0	426.0	352.0	-57.0	17.0
% CIVILIAN LABOR FORCE	6.9	7.9	6.6	-1.0	0.3
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	406.0	445.0	390.0	-39.0	16.0
% CIVILIAN LABOR FORCE	7.5	8.3	7.3	-0.8	0.2
TOTAL EMPLOYMENT	5,006.0	4,938.0	4,980.0	68.0	26.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From–	
	Nov. 1979	Oct. 1979	Nov. 1978	Oct. 1979	Nov. 1978
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,754.4	4,744.0	4,746.4	10.4	8.0
LABOR-MANAGEMENT DISPUTES	8.9	8.3	8.2	0.6	0.7
ALL MANUFACTURING INDUSTRIES	1,368.6	1,372.6	1,375.3	-4.0	-6.7
TOTAL NONMANUFACTURING INDUSTRIES	3,376.9	3,363.1	3,362.9	13.8	14.0
Mining	52.0	51.4	53.9	0.6	-1.9
Anthracite	3.1	3.0	3.0	0.1	0.1
Bituminous	39.7	39.1	42.4	0.6	-2.7
Nonmetallic minerals	5.0	5.1	4.8	-0.1	0.2
Contract Construction	198.7	203.7	208.7	-5.0	-10.0
General building	52.1	54.0	55.9	-1.9	-3.8
Heavy construction	43.4	46.7	43.3	-3.3	0.1
Special trades	103.2	103.0	109.5	0.2	-6.3
Transportation	166.5	167.8	167.8	-1.3	-1.3
Railroads	43.9	43.9	44.9	0.0	-1.0
Public Utilities	103.4	103.4	101.4	0.0	2.0
Communications	54.2	54.0	53.2	0.2	1.0
Electric, gas & sanitary service	49.2	49.4	48.2	-0.2	1.0
Electric systems	23.6	23.7	22.8	-0.1	0.8
Gas production	11.3	11.3	11.1	0.0	0.2
Wholesale trade	229.0	228.2	227.2	0.8	1.8
Retail trade	754.1	743.9	771.4	10.2	-17.3
General merchandise stores	129.3	125.4	139.0	3.9	-9.7
Department stores	114.2	110.8	122.6	3.4	-8.4
Finance, insurance & real estate	237.6	237.2	229.5	0.4	8.1
Banking	78.3	78.0	75.6	0.3	2.7
Commercial & stock savings	72.3	72.0	69.8	0.3	2.5
Credit agencies & securities	30.7	30.8	29.6	-0.1	1.1
Insurance	70.2	69.9	67.7	0.3	2.5
Life insurance	26.0	26.0	25.7	0.0	0.3
Fire, marine & casualty	29.6	29.3	28.4	0.3	1.2
Services	928.4	931.7	902.3	-3.3	26.1
Business services	117.4	116.8	115.9	0.6	1.5
Health services	296.7	295.8	291.3	0.9	5.4
Nursing & personal care	47.8	47.4	46.0	0.4	1.8
Hospitals	184.8	184.3	179.6	0.5	5.2
Educational service	136.6	137.0	124.5	-0.4	12.1
Miscellaneous services	42.7	42.3	42.9	0.4	-0.2
Engineering & architectural	25.8	25.5	26.8	0.3	-1.0
Government	707.2	695.8	700.7	11.4	6.5
Federal	127.9	127.3	128.7	0.6	-0.8
State & local	579.3	568.5	572.0	10.8	7.3

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS
(Thousands)

Year and Month	Total Managr. Wage & Salary	Private Sector Wage & Salary	All Manu-facturing	Total Non-Manu-facturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,669.9	3,951.9	1,362.1	3,307.8	46.6	195.3	969.6	226.5	743.1
1978 Nov.	4,738.2	4,037.5	1,375.3	3,362.9	53.9	208.7	998.6	227.2	771.4
Dec.	4,734.8	4,027.2	1,371.2	3,363.6	52.9	192.5	1,008.0	228.3	779.7
1979 Jan.	4,634.7	3,934.0	1,364.3	3,270.5	52.7	166.1	968.7	228.0	740.7
Feb.	4,619.2	3,908.1	1,363.4	3,255.8	52.0	150.7	948.6	226.3	722.3
Mar.	4,660.7	3,947.1	1,365.4	3,295.3	52.4	166.7	957.2	226.7	730.5
Apr.	4,691.8	3,976.6	1,365.5	3,326.3	52.3	185.2	965.4	228.1	737.3
May	4,732.4	4,012.2	1,368.4	3,364.0	52.8	196.3	971.0	227.0	744.0
Jun.	4,757.2	4,039.5	1,387.3	3,369.9	52.7	198.5	970.3	228.8	741.5
Jul.	4,699.4	4,006.9	1,374.3	3,325.1	52.3	205.7	956.9	229.3	727.6
Aug.	4,688.1	3,998.0	1,367.8	3,320.3	51.9	205.8	955.6	228.8	726.8
Sep.	4,698.5	4,018.5	1,376.5	3,322.0	52.3	204.9	959.6	225.9	733.7
Oct.	4,735.7	4,039.9	1,372.6	3,363.1	51.4	203.7	972.1	228.2	743.9
Nov.	4,745.5	4,038.3	1,368.6	3,376.9	52.0	198.7	983.1	229.0	754.1

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	163.5	101.2	226.2	887.5	177.3	710.2	718.0	129.1	588.9
1978 Nov.	167.8	101.4	229.5	902.3	179.6	722.7	700.7	128.7	572.0
Dec.	168.0	101.6	231.1	901.9	180.0	721.9	707.6	128.7	578.9
1979 Jan.	164.4	101.6	230.8	885.4	180.2	705.2	700.8	127.6	573.2
Feb.	164.1	101.8	232.5	895.0	180.9	714.1	711.1	126.8	584.3
Mar.	165.5	101.8	233.2	904.9	181.3	723.6	713.6	126.7	586.9
Apr.	165.0	102.1	234.1	907.0	181.3	725.7	715.2	126.7	588.5
May	168.0	102.5	235.8	917.4	181.5	735.9	720.2	127.5	592.7
Jun.	168.7	103.8	238.6	919.6	184.3	735.3	717.7	129.1	588.6
Jul.	162.0	104.4	239.6	911.7	185.1	726.6	692.5	129.6	562.9
Aug.	161.8	104.6	239.6	910.9	184.4	726.5	690.1	128.8	561.3
Sep.	166.4	103.5	237.0	918.3	184.1	734.2	680.0	127.7	552.3
Oct.	167.8	103.4	237.2	931.7	184.3	747.4	695.8	127.3	568.5
Nov.	166.5	103.4	237.6	928.4	184.8	743.6	707.2	127.9	579.3

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

OCTOBER 1979

Industry	Employment (Thousands)	Accession Rates: Total			New Hires			Recalls		
		Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
All Manufacturing	1,372.6	2.9	3.1	3.1	1.9	2.1	2.2	0.7	0.7	0.7
Durable Goods	847.9	2.4	2.5	2.7	1.6	1.6	1.8	0.6	0.6	0.6
Furniture & Fixtures	20.9	3.9	5.3	5.6	3.2	4.9	5.0	0.6	0.3	0.4
Stone, Clay & Glass Products	63.1	1.7	2.7	2.3	1.1	1.3	1.6	0.5	1.3	0.6
Primary Metal Industries	202.2	2.1	1.7	2.0	0.9	1.0	1.0	0.9	0.5	0.7
Fabricated Metal Products	114.9	3.2	3.3	3.3	2.1	2.3	2.5	1.0	0.7	0.6
Machinery, exc. Electrical	141.3	1.9	1.8	2.0	1.7	1.5	1.7	0.2	0.2	0.2
Electric & Electronic Equip.	128.6	1.9	2.4	2.6	1.2	1.5	1.7	0.3	0.4	0.6
Transportation Equipment	88.9	3.3	3.1	3.3	2.0	1.7	1.8	0.7	1.0	1.1
Instruments & Related Products	39.5	1.5	1.5	2.4	1.2	1.2	2.0	0.1	0.2	0.3
Miscellaneous Manufacturing	26.9	3.7	4.0	4.3	3.3	3.2	3.6	0.4	0.6	0.6
Nondurable Goods	524.7	3.6	4.0	3.9	2.4	2.7	2.9	1.0	1.0	0.8
Food & Kindred Products	98.9	4.1	5.0	5.2	2.9	3.4	3.4	1.0	1.4	1.6
Textile Mill Products	48.2	4.2	3.9	5.0	3.1	3.0	4.4	1.0	0.7	0.4
Apparel & Related Products	122.4	4.9	5.3	4.1	2.4	2.8	3.0	2.2	2.0	0.8
Paper & Allied Products	44.8	2.9	3.2	2.9	2.2	2.8	1.9	0.5	0.2	0.8
Printing & Publishing	70.9	2.7	2.8	2.7	2.3	2.3	2.2	0.4	0.4	0.4
Chemicals & Allied Products	61.4	1.8	2.0	2.0	1.4	1.5	1.6	0.3	0.3	0.3
Petroleum & Coal Products	17.1	1.1	1.7	1.1	0.9	1.4	1.0	0.1	0.2	0.1
Rubber & Plastics Products	40.8	3.5	3.5	4.5	2.3	2.4	3.0	0.8	0.6	1.2
Leather & Leather Products	16.7	5.5	6.2	6.7	4.7	4.6	4.9	0.3	1.1	1.5

Industry	Employment (Thousands)	Separation Rates: Total			Quits			Layoffs		
		Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978	Oct. 1979	Sept. 1979	Oct. 1978
All Manufacturing	1,372.6	3.1	3.5	3.0	1.1	1.6	1.3	1.3	1.2	1.0
Durable Goods	847.9	2.8	3.0	2.3	0.9	1.2	0.9	1.2	1.0	0.7
Furniture & Fixtures	20.9	4.1	6.0	5.4	2.0	3.1	3.2	1.0	1.4	0.9
Stone, Clay & Glass Products	63.1	3.5	3.0	2.6	0.7	1.3	0.8	2.1	1.1	1.2
Primary Metal Industries	202.2	2.9	3.4	2.2	0.5	1.0	0.5	1.7	1.6	1.0
Fabricated Metal Products	114.9	2.9	3.0	2.9	0.9	1.2	1.0	1.2	1.1	1.0
Machinery, exc. Electrical	141.3	1.6	2.0	1.5	0.8	0.9	0.8	0.3	0.5	0.3
Electric & Electronic Equip.	128.6	2.0	2.3	2.2	0.7	1.2	0.8	0.7	0.4	0.6
Transportation Equipment	88.9	3.5	3.1	2.1	0.9	1.0	0.7	1.4	1.2	0.4
Instruments & Related Products	39.5	1.7	3.0	1.4	0.8	1.1	0.9	0.5	1.0	0.2
Miscellaneous Manufacturing	26.9	4.5	3.8	2.9	2.6	2.0	1.4	0.8	1.0	1.0
Nondurable Goods	524.7	3.7	4.4	3.9	1.6	2.3	2.0	1.5	1.5	1.3
Food & Kindred Products	98.9	4.7	5.0	5.2	1.9	2.5	2.4	1.8	1.8	2.1
Textile Mill Products	48.2	4.0	4.9	4.5	2.2	3.1	3.1	1.2	1.3	0.8
Apparel & Related Products	122.4	5.0	5.5	4.8	1.8	2.3	2.3	2.5	2.5	1.8
Paper & Allied Products	44.8	3.0	4.4	2.9	1.2	2.7	1.2	1.1	1.0	1.1
Printing & Publishing	70.9	2.2	2.7	2.4	1.3	1.8	1.4	0.6	0.6	0.7
Chemicals & Allied Products	61.4	1.6	2.5	1.8	0.7	1.2	0.7	0.5	0.8	0.7
Petroleum & Coal Products	17.1	1.2	1.8	1.5	0.3	1.1	0.5	0.5	0.1	0.5
Rubber & Plastics Products	40.8	3.8	4.4	3.1	1.2	2.3	1.6	1.3	1.2	0.8
Leather & Leather Products	16.7	6.9	8.0	8.4	4.3	6.0	5.2	1.7	1.[illegible]	2.3

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Detail
(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Nov. 1979	Oct. 1979	Nov. 1978	Oct. 1979	Nov. 1978
	TOTAL MANUFACTURING INDUSTRIES	1,368.6	1,372.6	1,375.3	-4.0	-6.7
	TOTAL DURABLE GOODS	845.2	847.9	836.8	-2.7	8.4
24	Lumber & wood products	21.1	21.6	22.0	-0.5	-0.9
243	Millwork, plywood & structural	7.1	7.1	7.3	0.0	-0.2
	Other lumber & wood products	14.0	14.5	14.7	-0.5	-0.7
25	Furniture & fixtures	20.8	20.9	20.7	-0.1	0.1
251	Household furniture	10.2	10.3	9.8	-0.1	0.4
252	Office furniture	4.8	4.8	5.2	0.0	-0.4
	Other furniture & fixtures	5.8	5.8	5.7	0.0	0.1
32	Stone, clay & glass products	62.6	63.1	64.6	-0.5	-2.0
322	Glass & glassware, pressed or blown	16.7	16.7	17.6	0.0	-0.9
3221	Glass containers	8.9	9.1	9.8	-0.2	-0.9
3229	Other pressed or blown glass	7.8	7.6	7.8	0.2	0.0
324	Hydraulic cement	3.3	3.2	3.4	0.1	-0.1
325	Structural clay products	6.4	6.4	6.5	0.0	-0.1
326	Pottery & related products	4.4	4.4	4.4	0.0	0.0
327	Concrete, gypsum & plaster products	8.9	9.1	8.8	-0.2	0.1
	Other stone, clay & glass products	22.9	23.3	23.9	-0.4	-1.0
33	Primary metal industries	202.2	202.2	200.3	0.0	1.9
331	Blast furnace & basic steel products	151.1	150.9	150.6	0.2	0.5
3312	Blast furnaces & steel mills	137.7	137.6	137.6	0.1	0.1
	Other basic steel products	13.4	13.3	13.0	0.1	0.4
332	Iron & steel foundries	20.4	20.6	20.5	-0.2	-0.1
3321	Gray iron foundries	8.0	8.2	8.2	-0.2	-0.2
3325	Steel foundries, n.e.c.	7.5	7.4	7.3	0.1	0.2
3322,4	Malleable iron & steel invest.	4.9	5.0	5.0	-0.1	-0.1
335	Nonferrous rolling & drawing	13.3	13.2	13.0	0.1	0.3
336	Nonferrous foundries	7.7	7.9	7.6	-0.2	0.1
	Other primary metal products	9.7	9.6	8.6	0.1	1.1
34	Fabricated metal products,(incl. ordnance)	114.5	114.9	114.0	-0.4	0.5
341	Metal cans & shipping containers	4.8	4.6	5.0	0.2	-0.2
342	Cutlery, hand tools & hardware	7.5	7.5	8.0	0.0	-0.5
343	Plumbing & heating exc. electrical	3.1	3.0	3.0	0.1	0.1
344	Fabricated structural metal products	36.7	37.4	36.9	-0.7	-0.2
3441	Fabricated structural metal	9.6	9.5	9.3	0.1	0.3
3443	Fabricated plate work (boiler shops)	10.9	10.8	10.6	0.1	0.3
	Other fabricated struct. metal products	16.2	17.1	17.0	-0.9	-0.8
345	Screw machine products, bolts, etc.	9.0	8.9	8.2	0.1	0.8
346	Metal forgings & stampings	20.7	20.7	21.2	0.0	-0.5
3462	Iron & steel forgings	6.3	6.3	5.8	0.0	0.5
	Other metal forgings & stampings	14.4	14.4	15.4	0.0	-1.0
347,8	Metal services & ordnance, n.e.c.	8.3	8.1	8.3	0.2	0.0
349	Misc. fabricated metal products	24.4	24.7	23.4	-0.3	1.0
3494	Valves & pipe fittings	11.0	11.0	10.4	0.0	0.6
	Other misc. fabricated metal products	13.4	13.7	13.0	-0.3	0.4
35	Machinery, exc. electrical	140.0*	141.3	138.4	-1.3	1.6
351	Engines & turbines	7.7	7.7	7.9	0.0	-0.2
352	Farm & garden machinery	4.5	4.4	4.2	0.1	0.3
353	Construction & related machinery	23.5*	26.4	26.0	-2.9	-2.5
3531	Construction machinery	6.9	10.0	10.0	-3.1	-3.1
3535	Conveyors & conveying equipment	3.4	3.5	3.6	-0.1	-0.2
	Other construction & related machinery	13.2	12.9	12.4	0.3	0.8
354	Metal working machinery	21.8	21.8	21.6	0.0	0.2
355	Special industry machinery	15.2	15.1	14.6	0.1	0.6
356	General industrial machinery	29.6	29.2	29.4	0.4	0.2
3561	Pumps & pumping equipment	3.8	3.6	3.7	0.2	0.1
3562	Ball & roller bearings	4.3	4.4	4.2	-0.1	0.1
3563	Air & gas compressors	5.4	5.2	5.5	0.2	-0.1
3567	Industrial furnaces & ovens	4.0	4.1	4.0	-0.1	0.0
	Other general industrial machinery	12.1	11.9	12.0	0.2	0.1

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.) Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Nov. 1979	Oct. 1979	Nov. 1978	Oct. 1979	Nov. 1978
357	Office and computing machines	11.8	11.6	11.8	0.2	0.0
358	Refrigeration & service industry machinery	12.0	11.4	9.6	0.6	2.4
359	Misc. machinery, exc. electrical	13.9	13.7	13.3	0.2	0.6
36	Electric & electronic equipment	128.9	128.6	125.9	0.3	3.0
361	Electric distributing equipment	19.0	19.0	20.0	0.0	-0.1
3612	Transformers	6.3	6.3	6.5	0.0	-0.2
3613	Switchgear & switchboard apparatus	12.7	12.7	13.5	0.0	-0.8
362	Electrical industrial apparatus	23.4	23.3	23.6	0.1	-0.2
363	Household appliances	4.5	4.5	4.8	0.0	-0.3
364	Electric lighting & wiring equipment	23.2	22.9	22.4	0.3	0.8
3643	Current-carrying wiring devices	11.3	11.2	10.9	0.1	0.4
	Other electric light & wiring equipment	11.9	11.7	11.5	0.2	0.4
366	Communication equipment	9.4	9.7	8.5	-0.3	0.9
367	Electronic components & accessories	36.3	36.1	34.1	0.2	2.2
3674	Semiconductors & related devices	12.1	12.0	10.8	0.1	1.3
	Other electronic components & accessories	24.2	24.1	23.3	0.1	0.9
	Other electrical equipment & supplies	13.1	13.1	12.5	0.0	0.6
37	Transportation equipment	89.1	88.9	84.4	0.2	4.7
371	Motor vehicles & equipment	31.8	31.6	29.8	0.2	2.0
3714	Motor vehicle parts & accessories	11.7	11.4	12.0	0.3	-0.3
	Other motor vehicles & equipment	20.1	20.2	17.8	0.1	2.3
372	Aircraft & parts	12.1	12.0	11.2	0.1	0.9
373	Ship & boat building & repairing	8.6	8.5	7.4	0.1	1.2
374	Railroad equipment	24.2	24.2	23.4	0.0	0.8
	Other transportation equipment	12.4	12.6	12.6	-0.2	-0.2
38	Instruments & related products	39.6	39.5	38.8	0.1	0.8
382	Measuring & controlling devices	21.3	21.2	20.8	0.1	0.5
384	Medical instruments & supplies	11.2	11.2	10.9	0.0	0.3
	Other instruments & related products	7.1	7.1	7.1	0.0	0.0
39	Miscellaneous manufacturing industries	26.4	26.9	27.7	-0.5	-1.3
	TOTAL NONDURABLE GOODS	523.4	524.7	538.5	-1.3	-15.1
20	Food & kindred products	97.9	98.9	99.9	-1.0	-2.0
201	Meat products	15.6	15.5	15.3	0.1	0.3
2011	Meat packing plants	4.9	4.9	4.9	0.0	0.0
2013	Sausages & other prepared meats	5.7	5.6	5.6	0.1	0.1
2016,7	Poultry dressing & processing	5.0	5.0	4.8	0.0	0.2
202	Dairy products	10.9	11.2	11.6	-0.3	-0.7
2026	Fluid milk	6.6	6.6	6.8	0.0	-0.2
	Other dairy products	4.3	4.6	4.8	-0.3	-0.5
203	Preserved fruits & vegetables	14.6	15.0	14.5	-0.4	0.1
2033	Canned fruits & vegetables	6.8	7.1	6.9	-0.3	-0.1
	Other preserved fruits & vegetables	7.8	7.9	7.6	-0.1	0.2
204	Grain mill products	4.3	4.2	4.7	0.1	-0.4
205	Bakery products	19.9	19.8	20.6	0.1	-0.7
2051	Bread, cake & related products	15.1	15.0	15.7	0.1	-0.6
2052	Cookies & crackers	4.8	4.8	4.9	0.0	-0.1
206	Sugar & confectionery products	14.9	15.4	15.2	-0.5	-0.3
2065	Confectionery products	5.9	6.4	6.2	-0.5	-0.3
2066	Chocolate & cocoa products	6.5	6.5	6.1	0.0	0.4
	Other sugar products	2.5	2.5	2.9	0.0	-0.4
208	Beverages	9.3	9.3	9.6	0.0	-0.3
	Other food & kindred products	8.4	8.5	8.4	-0.1	0.0
21	Tobacco manufacturers	3.5	3.5	4.2	0.0	-0.7
22	Textile mill products	48.3	48.2	51.2	0.1	-2.9
222	Weaving mills, snythetics	4.3	4.3	4.5	0.0	-0.2
225	Knitting mills	25.0	24.9	26.8	0.1	-1.8
2253	Knit outerwear mills	13.6	13.6	14.9	0.0	-1.3
2254	Knit underwear mills	4.7	4.6	5.0	0.1	-0.3
	Other knitting mills	6.7	6.7	6.9	0.0	-0.2
227	Floor covering mills	4.0	4.0	4.2	0.0	-0.2
228	Yarn & thread mills	4.7	4.8	5.2	-0.1	-0.5
	Other textile mill products	10.3	10.2	10.5	0.1	-0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(concl.) Industry Detail
(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Nov. 1979	Oct. 1979	Nov. 1978	Oct. 1979	Nov. 1978
23	Apparel & other textile products	121.9	122.4	132.5	-0.5	-10.6
231	Mens & boys suits & coats	14.4	14.7	17.0	-0.3	-2.6
232	Mens & boys furnishings	24.1	24.0	25.2	0.1	-1.1
2321	Mens & boys shirts & nightwear	9.5	9.5	9.9	0.0	-0.4
2327	Mens & boys separate trousers	5.8	5.8	6.1	0.0	-0.3
	Other furnishings and work clothing	8.8	8.7	9.2	0.1	-0.4
233	Womens & misses outerwear	54.5	54.6	60.0	-0.1	-5.5
234	Women & childrens undergarments	10.4	10.4	10.6	0.0	-0.2
236	Childrens outerwear	6.7	6.7	7.3	0.0	-0.6
	Other apparel & textile products	11.8	12.0	12.4	-0.2	-0.6
26	Paper & allied products	44.5	44.8	44.7	-0.3	-0.2
262	Paper mills exc. building paper	11.4	11.3	11.6	0.1	-0.2
265	Paper board containers & boxes	16.3	16.5	16.2	-0.2	0.1
2653	Corrugated & solid fiber boxes	8.4	8.4	8.3	0.0	0.1
	Other paperboard containers	7.9	8.1	7.9	-0.2	0.0
	Other paper & allied products	16.8	17.0	16.9	-0.2	-0.1
27	Printing & publishing	71.5	70.9	69.8	0.6	1.7
271	Newspapers	25.8	25.5	25.2	0.3	0.6
273	Books	8.3	8.0	7.9	0.3	0.4
275	Commercial printing	20.0	20.1	19.9	-0.1	0.1
2752	Lithographing	10.1	10.2	9.9	-0.1	0.2
	Other commercial printing	9.9	9.9	10.0	0.0	-0.1
276	Manifold business forms	3.8	3.8	3.6	0.0	0.2
	Other printing & publishing	13.6	13.5	13.2	0.1	0.4
28	Chemicals & allied products	61.3	61.4	60.0	-0.1	1.3
281	Industrial inorganic chemicals	11.2	11.1	10.6	0.1	0.6
282	Plastic materials & synthetics	8.5	8.5	8.5	0.0	0.0
283	Drugs	17.4	17.6	17.1	-0.2	0.3
284	Soap, cleaners & toliet goods	3.2	3.2	3.3	0.0	-0.1
285	Paints & allied products	4.3	4.3	4.1	0.0	0.2
	Other chemical & allied products	16.7	16.7	16.4	0.0	0.3
29	Petroleum & coal products	17.2	17.1	16.9	0.1	0.3
291	Petroleum refining	13.4	13.3	13.1	0.1	0.3
	Other petroleum & coal products	3.8	3.8	3.8	0.0	0.0
30	Rubber & misc. plastic products	40.8	40.8	40.9	0.0	-0.1
301	Tires & inner tubes	7.9	7.9	8.0	0.0	-0.1
306	Fabricated rubber products	5.5	5.7	5.3	-0.2	0.2
	Other rubber & plastic products, n.e.c.	27.4	27.2	27.6	0.2	-0.2
31	Leather & leather products	16.5	16.7	18.4	-0.2	-1.9
314	Footwear, exc. rubber	12.6	12.6	14.4	0.0	-1.8
3143	Mens footwear, exc. athletic	4.3	4.4	5.4	-0.1	-1.1
3144	Womens footwear, exc. athletic	4.4	4.3	5.1	0.1	-0.7
	Other footwear	3.9	3.9	3.9	0.0	0.0
	Other leather & leather products	3.9	4.1	4.0	-0.2	-0.1

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
TOTAL MANUFACTURING INDUSTRIES	$294.35	$284.57	$270.50	40.6	39.8	40.8	$7.25	$7.15	$6.63
TOTAL DURABLE GOODS	334.36	323.05	307.22	41.9	41.1	42.2	7.98	7.86	7.28
Lumber & wood products	205.93	201.11	197.47	39.3	38.9	40.3	5.24	5.17	4.90
Millwork, plywood & structural	217.01	207.44	209.61	39.6	38.6	41.1	5.48	5.40	5.10
Other lumber & wood products	199.80	197.46	191.52	39.1	39.1	39.9	5.11	5.05	4.80
Furniture & fixtures	231.45	225.42	218.43	39.7	39.0	40.3	5.83	5.78	5.42
Household furniture	209.48	200.59	200.38	39.9	38.5	40.4	5.25	5.21	4.96
Office furniture	249.85	243.59	229.68	39.1	38.3	39.6	6.39	6.36	5.80
Other furniture & fixtures	256.96	256.37	241.35	39.9	40.5	40.7	6.44	6.33	5.93
Stone, clay & glass products	322.15	310.73	288.96	43.7	42.8	43.0	7.38	7.26	6.72
Glass & glassware, pressed or blown	307.64	284.42	276.97	42.3	40.4	41.4	7.29	7.04	6.69
Glass containers	298.96	298.96	286.09	40.4	40.4	42.7	7.40	7.40	6.70
Other pressed or blown glass	316.64	266.79	266.53	44.1	40.3	39.9	7.18	6.62	6.68
Hydraulic cement	403.60	383.50	381.70	40.4	39.7	42.6	9.99	9.66	8.96
Structural clay products	274.03	272.33	248.47	41.9	41.2	40.6	6.54	6.61	6.12
Pottery & related products	283.18	276.49	269.17	43.3	42.8	45.7	6.54	6.46	5.89
Concrete, gypsum & plaster prods.	293.01	291.04	266.22	42.9	42.8	42.8	6.83	6.80	6.22
Other stone, clay & glass prods.	365.19	359.75	315.00	47.0	46.6	45.0	7.77	7.72	7.00
Primary metal industries	424.27	397.39	381.38	42.3	40.8	42.3	10.03	9.74	8.89
Blast furnace & basic steel prods.	460.04	426.71	410.31	42.4	40.6	43.1	10.85	10.51	9.52
Blast furnaces & steel mills	467.58	431.21	415.27	42.2	40.3	42.5	11.08	10.70	9.68
Other basic steel products	385.76	379.75	361.04	44.7	43.7	45.3	8.63	8.69	7.97
Iron & steel foundries	310.23	304.07	285.93	40.5	39.8	40.5	7.66	7.64	7.06
Gray iron foundries	298.15	302.88	284.83	40.4	40.6	41.4	7.38	7.46	6.88
Steel foundries, n.e.c.	311.62	304.20	283.28	39.9	39.0	38.7	7.81	7.80	7.32
Malleable iron & steel invest.	327.47	306.48	292.02	41.4	39.7	42.2	7.91	7.72	6.92
Nonferrous rolling & drawing	335.33	327.33	317.25	42.5	42.4	45.0	7.89	7.72	7.05
Nonferrous foundries	303.79	309.06	276.69	43.9	43.9	43.3	6.92	7.04	6.39
Other primary metal products	332.05	319.20	293.51	42.9	42.0	42.6	7.74	7.60	6.89
Fabricated metal prods., incl. ordn.	301.35	292.66	280.57	41.0	40.2	41.2	7.35	7.28	6.81
Metal cans & shipping containers	361.18	310.34	331.87	44.1	38.6	43.1	8.19	8.04	7.70
Cutlery, hand tools & hardware	236.93	236.12	211.68	38.4	38.9	37.8	6.17	6.07	5.60
Plumbing & heating exc. electrical	310.07	294.25	261.19	45.8	43.4	43.1	6.77	6.78	6.06
Fabricated structural metal prods.	297.36	289.46	269.57	41.3	41.0	41.6	7.20	7.06	6.48
Fabricated struct. metal	281.95	273.14	301.85	35.2	34.1	40.3	8.01	8.01	7.49
Fab. plate work (boiler shops)	331.59	319.34	274.99	45.8	44.6	42.9	7.24	7.16	6.41
Other fab. struct. metal prods.	283.66	280.08	241.78	41.9	42.5	41.4	6.77	6.59	5.84
Screw machine products, bolts, etc.	270.68	280.57	262.92	40.1	40.9	41.8	6.75	6.86	6.29
Metal forgings & stampings	364.50	353.63	357.36	40.5	39.6	42.9	9.00	8.93	8.33
Iron & steel forgings	326.66	312.98	311.32	42.7	41.4	43.0	7.65	7.56	7.24
Other metal forgings & stampings	376.75	367.38	372.79	39.7	39.0	42.6	9.49	9.42	8.71
Metal services & ordnance, n.e.c.	276.89	265.84	244.84	40.9	39.5	39.3	6.77	6.73	6.23
Misc. fabricated metal products	280.98	274.00	262.25	41.2	40.0	40.1	6.82	6.85	6.54
Valves & pipe fittings	295.64	282.17	268.00	42.6	40.6	40.3	6.94	6.95	6.65
Other misc. fab. metal products	270.55	267.42	257.75	40.2	39.5	39.9	6.73	6.77	6.46
Machinery, exc. electrical	328.97	321.73	304.72	43.4	42.5	43.1	7.58	7.57	7.07
Engines & turbines	285.92	252.96	297.25	38.9	34.7	41.4	7.35	7.29	7.18
Farm & garden machinery	426.45	404.02	349.86	49.3	47.7	46.4	8.65	8.47	7.54
Construction & related machinery	303.86	328.00	322.93	40.3	41.0	43.0	7.54	8.00	7.51
Construction machinery	250.80	329.26	338.84	36.4	40.4	43.0	6.89	8.15	7.88
Conveyors & conveying equipment	264.26	261.20	281.66	40.1	40.0	43.6	6.59	6.53	6.46
Other constr. & related mach.	336.29	336.94	316.91	42.3	41.7	43.0	7.95	8.08	7.37
Metal working machinery	325.99	312.42	315.01	40.8	39.9	42.8	7.99	7.83	7.36
Special industry machinery	325.30	310.75	279.14	43.2	41.6	41.6	7.53	7.47	6.71
General industrial machinery	360.79	341.86	307.82	47.1	45.4	44.1	7.66	7.53	6.98
Pumps & pumping equipment	348.10	323.67	293.51	44.8	42.2	43.1	7.77	7.67	6.81
Ball & roller bearings	340.96	341.60	322.94	46.2	46.1	43.7	7.38	7.41	7.39
Air & gas compressors	420.00	378.18	300.84	52.5	49.5	43.6	8.00	7.64	6.90
Industrial furnaces & ovens	311.81	298.10	282.71	40.6	39.8	40.1	7.68	7.49	7.05
Other general industrial mach.	361.76	343.96	312.81	47.6	45.8	45.4	7.60	7.51	6.89
Office and computing machines	352.34	357.50	320.16	44.6	45.6	43.5	7.90	7.84	7.36
Refrigeration & serv. ind. mach.	281.66	272.42	238.10	43.2	42.9	40.7	6.52	6.35	5.85
Misc. machinery, exc. electrical	319.01	316.10	288.20	43.7	43.6	43.8	7.30	7.25	6.58

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
Electrical & electronic equipment	$281.26	$273.91	$263.54	41.0	40.4	41.7	$6.86	$6.78	$6.32
Electric distributing equipment	317.68	316.09	317.46	41.8	41.7	42.9	7.60	7.58	7.40
Transformers	301.35	301.76	313.35	41.0	41.0	44.7	7.35	7.36	7.01
Switchgear & switchbrd apparatus	325.78	322.98	320.46	42.2	42.0	45.0	7.72	7.69	7.63
Electrical industrial apparatus	279.00	271.56	279.30	39.8	39.3	42.0	7.01	6.91	6.65
Household appliances	239.76	238.74	244.55	34.9	34.6	39.7	6.87	6.90	6.16
Electric lighting & wiring equip.	272.85	266.27	243.90	42.5	41.8	41.2	6.42	6.37	5.92
Current-carrying wiring devices	286.97	280.28	241.49	44.7	44.0	41.0	6.42	6.37	5.89
Other elect lght & wirng equip.	263.86	257.35	246.33	41.1	40.4	41.4	6.42	6.37	5.95
Communication equipment	333.80	320.21	259.85	42.2	41.0	38.9	7.91	7.81	6.68
Electronic components & access.	279.12	271.75	246.69	42.1	41.3	41.6	6.63	6.58	5.93
Semiconductors & related devices	376.59	369.41	312.80	45.1	44.4	42.5	8.35	8.32	7.36
Other electronic comp.& access.	232.40	225.27	212.08	40.7	39.8	41.1	5.71	5.66	5.16
Other electrical equip. & supplies	248.06	235.98	237.73	38.4	38.0	42.3	6.46	6.21	5.62
Transportation equipment	351.49	355.28	338.55	41.4	41.7	42.8	8.49	8.52	7.91
Motor vehicles & equipment	352.96	369.77	378.61	40.2	41.5	44.7	8.78	8.91	8.47
Motor vehicle parts & access.	362.23	372.12	383.11	40.7	42.0	45.5	8.90	8.86	8.42
Other motor vehicles & equip.	347.13	367.85	374.88	39.9	41.1	44.0	8.70	8.95	8.52
Aircraft & parts	358.28	349.03	292.64	42.4	41.9	39.6	8.45	8.33	7.39
Ship & boat building & repairing	339.55	336.71	309.54	43.2	42.3	42.0	7.86	7.96	7.37
Railroad equipment	368.34	362.50	325.20	40.7	40.1	40.0	9.05	9.04	8.13
Other transportation equipment	306.20	307.13	305.50	44.7	45.5	47.0	6.85	6.75	6.50
Instruments & related products	277.20	268.79	257.92	42.0	41.1	41.6	6.60	6.54	6.20
Measuring & controlling devices	297.90	291.55	276.05	43.3	42.5	42.6	6.88	6.86	6.48
Medical instruments & supplies	255.02	236.40	242.35	41.4	39.4	40.8	6.16	6.00	5.94
Other instruments & related prods.	249.31	252.73	227.48	39.2	39.8	39.7	6.36	6.35	5.73
Misc. manufacturing industries	272.83	264.14	247.66	41.4	40.7	40.6	6.59	6.49	6.10
TOTAL NONDURABLE GOODS	230.02	224.37	213.84	38.4	37.9	38.6	5.99	5.92	5.54
Food & kindred products	260.89	248.77	250.69	40.7	39.3	41.3	6.41	6.33	6.07
Meat products	284.27	270.03	247.63	43.6	41.8	41.9	6.52	6.46	5.91
Meat packing plants	314.93	303.46	286.33	42.5	41.4	42.8	7.41	7.33	6.69
Sausages & other prepared meats	314.00	289.11	269.89	41.1	38.6	39.4	7.64	7.49	6.85
Poultry dressing & processing	226.54	220.05	194.02	47.0	45.0	43.6	4.82	4.89	4.45
Dairy products	279.97	271.58	252.34	41.6	40.9	40.7	6.73	6.64	6.20
Fluid milk	293.14	278.12	256.65	42.3	40.9	41.8	6.93	6.80	6.14
Other dairy products	269.62	266.26	248.75	41.1	40.9	39.8	6.56	6.51	6.25
Preserved fruits & vegetables	212.04	206.09	204.09	38.0	37.0	39.4	5.58	5.57	5.18
Canned fruits & vegetables	173.70	181.79	161.45	36.8	37.1	37.9	4.72	4.90	4.26
Other preserved fruits & vegs.	249.07	230.88	244.80	39.1	37.0	40.8	6.37	6.24	6.00
Grain mill products	283.16	262.54	270.50	42.2	39.9	40.8	6.71	6.58	6.63
Bakery products	247.20	242.09	257.88	40.0	39.3	42.0	6.18	6.16	6.14
Bread, cake & related products	250.10	244.83	234.82	39.2	38.8	39.4	6.38	6.31	5.96
Cookies & crackers	239.93	236.52	313.63	41.8	40.5	48.4	5.74	5.84	6.48
Sugar & confectionery products	259.58	244.40	256.00	38.4	37.2	40.7	6.76	6.57	6.29
Confectionery products	213.16	197.46	209.88	36.5	34.4	39.6	5.84	5.74	5.30
Chocolate & cocoa products	287.52	271.72	259.10	40.1	39.9	39.8	7.17	6.81	6.51
Other sugar products	313.21	307.93	333.71	39.2	38.3	44.2	7.99	8.04	7.55
Beverages	334.84	307.32	339.01	42.6	39.4	43.8	7.86	7.80	7.74
Other food & kindred products	250.10	239.70	226.42	43.8	40.8	40.4	5.71	5.63	5.34
Tobacco manufacturers	165.59	160.51	148.18	38.6	38.4	39.2	4.29	4.18	3.78
Textile mill products	187.98	185.85	170.37	39.0	38.8	38.2	4.82	4.79	4.46
Weaving mills, snythetics	221.82	225.18	190.81	44.1	45.4	41.3	5.03	4.96	4.62
Knitting mills	171.46	169.63	155.86	37.6	37.2	36.5	4.56	4.56	4.27
Knit outerwear mills	171.38	169.88	151.94	38.0	37.5	35.5	4.51	4.53	4.28
Knit underwear mills	150.12	146.26	139.83	36.0	35.5	36.7	4.17	4.12	3.81
Other knitting mills	187.72	185.60	178.48	38.0	37.8	38.8	4.94	4.91	4.60
Floor covering mills	232.26	232.26	234.46	39.3	39.5	43.1	5.91	5.88	5.44
Yarn & thread mills	173.12	170.50	150.33	38.3	38.4	36.4	4.52	4.44	4.13
Other textile mill products	207.57	203.09	189.54	40.7	39.9	40.5	5.10	5.09	4.68

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(concl.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
Apparel & other textile products	$150.09	$148.98	$144.33	32.7	32.6	33.8	$4.59	$4.57	$4.27
Mens & boys suits & coats	203.44	191.39	199.35	36.2	34.3	37.9	5.62	5.58	5.26
Mens & boys furnishings	159.07	156.17	144.14	36.4	35.9	34.9	4.37	4.35	4.13
Mens & boys shirts & nightwear	152.77	152.60	146.83	35.2	35.0	35.9	4.34	4.36	4.09
Mens & boys separate trousers	168.67	170.19	151.60	33.6	33.7	33.1	5.02	5.05	4.58
Other furnishings & wrk. clothng	159.57	150.51	135.87	39.4	38.2	35.2	4.05	3.94	3.86
Womens & misses outerwear	139.50	141.64	134.93	30.0	30.2	31.6	4.65	4.69	4.27
Women & childrens undergarments	129.07	129.62	132.49	33.7	34.2	36.1	3.83	3.79	3.67
Childrens outerwear	128.10	129.48	128.22	30.0	31.2	34.1	4.27	4.15	3.76
Other apparel & textile products	146.12	143.87	132.99	34.3	34.5	34.1	4.26	4.17	3.90
Paper & allied products	305.24	295.91	284.20	45.9	44.7	45.4	6.65	6.62	6.26
Paper mills exc. building paper	393.47	392.30	354.35	49.0	47.9	47.5	8.03	8.19	7.46
Paper board containers & boxes	291.02	276.05	261.79	43.5	41.7	43.2	6.69	6.62	6.06
Corrugated & solid fiber boxes	297.36	294.17	276.36	41.3	40.8	42.0	7.20	7.21	6.58
Other paperboard containers	284.88	257.30	246.98	45.8	42.6	44.5	6.22	6.04	5.55
Other paper & allied products	273.20	265.88	264.84	46.7	46.0	46.3	5.85	5.78	5.72
Printing & publishing	274.53	265.70	253.31	37.3	36.8	36.5	7.36	7.22	6.94
Newspapers	294.95	284.69	271.89	34.7	34.3	34.2	8.50	8.30	7.95
Books	217.01	214.72	206.07	34.5	34.3	35.9	6.29	6.26	5.74
Commercial printing	290.47	278.02	255.43	39.2	38.4	36.7	7.41	7.24	6.96
Lithographing	273.79	278.46	249.38	38.4	39.0	36.3	7.13	7.14	6.87
Other commercial printing	307.20	278.57	261.18	40.0	37.9	37.1	7.68	7.35	7.04
Manifold business forms	290.29	288.46	285.18	40.6	40.8	42.0	7.15	7.07	6.79
Other printing & publishing	263.58	253.80	250.13	38.2	37.6	37.5	6.90	6.75	6.67
Chemicals & allied products	308.90	304.61	284.93	42.2	41.9	42.4	7.32	7.27	6.72
Industrial inorganic chemicals	344.54	335.10	311.19	46.0	44.8	45.1	7.49	7.48	6.90
Plastic materials & synthetics	309.14	308.92	279.84	41.0	41.3	42.4	7.54	7.48	6.60
Drugs	288.99	292.04	269.79	39.0	39.2	39.5	7.41	7.45	6.83
Soap, cleaners & toliet goods	288.19	265.21	281.46	45.1	41.7	46.6	6.39	6.36	6.04
Paints & allied products	265.88	265.78	253.92	39.1	39.2	39.8	6.80	6.78	6.38
Other chemical & allied products	319.73	313.05	297.60	43.5	43.6	43.7	7.35	7.18	6.81
Petroleum & coal products	412.10	400.15	369.79	44.6	43.4	43.2	9.24	9.22	8.56
Petroleum refining	432.17	422.39	387.96	44.6	43.5	42.4	9.69	9.71	9.15
Other petroleum & coal products	337.18	319.49	311.65	44.6	43.0	45.8	7.56	7.43	6.87
Rubber & misc. plastic products	240.16	235.22	239.10	39.5	39.4	41.8	6.08	5.97	5.72
Tires & inner tubes	385.82	371.68	379.82	44.5	44.3	48.2	8.67	8.39	7.88
Fabricated rubber products	277.13	269.03	254.15	43.1	42.3	42.5	6.43	6.36	5.98
Other rubber & plastic prods.,nec	197.17	194.53	198.80	37.7	37.7	40.0	5.23	5.16	4.97
Leather & leather products	165.09	164.67	148.99	39.4	39.3	38.4	4.19	4.19	3.88
Footwear, exc. rubber	150.46	148.90	132.86	37.9	37.6	36.3	3.97	3.96	3.66
Mens footwear, exc. athletic	163.21	165.65	148.88	40.7	40.9	40.9	4.01	4.05	3.64
Womens footwear, exc. athletic	148.93	145.47	119.97	37.8	37.3	32.6	3.94	3.90	3.68
Other footwear	137.51	134.01	127.00	34.9	34.1	34.7	3.94	3.93	3.66
Other leather & leather products	211.20	212.27	207.01	44.0	44.5	45.9	4.80	4.77	4.51
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	367.08	368.61	316.76	48.3	48.0	41.9	7.60	7.68	7.56
Bituminous coal & lignite mining	373.53	360.97	383.53	34.3	33.3	38.2	10.89	10.84	10.04
Nonmetallic minerals, exc. fuels	338.92	333.96	333.11	46.3	46.0	48.7	7.32	7.26	6.84
Communication	366.13	365.56	331.28	41.7	41.4	41.0	8.78	8.83	8.08
Electric, gas, & sanitary services	408.12	413.54	379.85	45.6	46.0	44.9	8.95	8.99	8.46
Electric services	427.68	424.72	391.27	48.0	48.1	47.6	8.91	8.83	8.22
Gas production & distribution	350.67	355.72	229.45	43.4	43.7	42.4	8.08	8.14	7.77
General merchandise stores	127.68	127.76	119.51	27.4	27.3	27.6	4.66	4.68	4.33
Banking	175.32	172.99	155.98	INA	INA	INA	INA	INA	INA
Insurance carriers	209.84	209.85	195.48	INA	INA	INA	INA	INA	INA
Life insurance	196.87	198.13	183.31	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	211.52	212.63	198.23	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$154.42	39.8	$3.88	$172.61	41.0	$4.21	$130.60	38.3	$3.41	$191.83	40.3	$4.76
1973	167.23	40.2	4.16	187.17	41.5	4.51	139.03	38.3	3.63	212.38	41.4	5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1978 Nov	270.50	40.8	6.63	307.22	42.2	7.28	213.84	38.6	5.54	381.38	42.9	8.89
Dec	270.95	40.5	6.69	306.08	41.7	7.34	216.55	38.6	5.61	368.87	41.4	8.91
1979 Jan	269.20	40.0	6.73	305.95	41.4	7.39	212.81	37.8	5.63	373.92	41.5	9.01
Feb	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep	285.51	40.1	7.12	323.42	41.2	7.85	225.00	38.2	5.89	407.12	41.5	9.81
Oct	284.57	39.8	7.15	323.05	41.1	7.86	224.37	37.9	5.92	397.39	40.8	9.74
Nov	294.35	40.6	7.25	334.36	41.9	7.98	230.02	38.4	5.99	424.27	42.3	10.03

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$168.47	41.7	$4.04	$183.17	42.4	$4.32	$161.57	40.8	$3.96	$180.59	40.4	$4.47
1973	182.68	41.9	4.36	198.77	43.4	4.58	167.69	40.8	4.11	197.69	41.1	4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1978 Nov	280.57	41.2	6.81	304.72	43.1	7.07	263.54	41.7	6.32	338.55	42.8	7.91
Dec	285.49	41.8	6.83	309.31	42.9	7.21	264.92	41.2	6.43	348.29	43.7	7.97
1979 Jan	278.94	40.9	6.82	302.74	42.4	7.14	259.84	40.6	6.40	345.06	42.6	8.10
Feb	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	42.0	8.14
Apr	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul	282.80	40.0	7.07	303.99	41.7	7.29	260.95	39.9	6.54	334.55	40.7	8.22
Aug	283.60	40.0	7.09	312.28	42.2	7.40	256.71	39.8	6.45	341.04	40.6	8.40
Sep	286.80	40.0	7.17	318.33	42.5	7.49	271.62	40.3	6.74	350.26	41.5	8.44
Oct	292.66	40.2	7.28	321.73	42.5	7.57	273.91	40.4	6.78	355.28	41.7	8.52
Nov	301.35	41.0	7.35	328.97	43.4	7.58	281.26	41.0	6.86	351.49	41.4	8.49

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$149.48	40.4	$3.70	$113.08	39.4	$2.87	$ 94.24	33.9	$2.78	$170.33	38.8	$4.39
1973	158.36	40.5	3.91	120.43	39.1	3.08	99.71	33.8	2.95	180.81	38.8	4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1978 Nov	250.69	41.3	6.07	170.37	38.2	4.46	144.33	33.8	4.27	253.31	36.5	6.94
Dec	250.69	41.3	6.07	175.11	39.0	4.49	143.05	33.5	4.27	268.88	37.5	7.17
1979 Jan	243.01	40.1	6.06	174.72	38.4	4.55	140.28	32.7	4.29	254.51	36.1	7.05
Feb	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep	256.14	40.4	6.34	181.93	38.3	4.75	146.17	32.7	4.47	268.93	37.3	7.21
Oct	248.77	39.3	6.33	185.85	38.8	4.79	148.98	32.6	4.57	265.70	36.8	7.22
Nov	260.89	40.7	6.41	187.98	39.0	4.82	150.09	32.7	4.59	274.53	37.3	7.36

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1968	$119.20	40.0	$2.98	105.6	104.2	$114.40	$ 4.80
1969	127.52	40.1	3.18	112.7	109.8	116.14	11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 - Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
MANUFACTURING	993.8	996.1	997.9	40,300.8	39,669.7	40,680.1	292,185.4	283,440.7	269,518.5
DURABLE GOODS	608.0	608.9	599.3	25,485.2	25,007.5	25,300.0	203,495.4	196,653.3	184,265.8
NONDUR. GOODS	385.8	387.2	398.6	14,815.6	14,662.2	15,380.1	88,690.0	86,787.4	85,252.7

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Person's involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1972	1,444.0	841.7	24.7	22.5	65.3	210.7	120.5	131.0
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,362.1	825.4	21.7	20.3	64.3	199.5	112.3	137.3
1978 Nov.	1,375.3	836.8	22.0	20.7	64.6	200.3	114.0	138.4
Dec.	1,371.2	837.0	21.4	20.9	63.8	201.4	114.5	138.7
1979 Jan.	1,364.3	835.0	20.8	20.7	62.2	201.7	114.5	140.6
Feb.	1,363.4	837.0	20.8	20.8	61.3	202.1	114.8	140.9
Mar.	1,365.4	837.3	21.1	20.3	62.0	201.7	114.6	140.8
Apr.	1,365.5	836.8	21.7	20.2	62.5	201.6	114.9	141.2
May	1,368.4	841.8	21.8	20.0	63.4	202.2	114.6	140.8
Jun.	1,387.3	854.2	22.1	20.4	65.1	206.8	115.4	141.8
Jul.	1,374.3	849.5	21.7	19.7	64.9	206.5	113.5	140.2
Aug.	1,367.8	839.2	22.0	20.5	64.4	206.8	114.8	137.7
Sep.	1,376.5	849.7	21.8	20.8	63.7	204.4	114.6	140.9
Oct.	1,372.6	847.9	21.6	20.9	63.1	202.2	114.9	141.3
Nov.	1,368.6	845.2	21.1	20.8	62.6	202.2	114.5	140.0 *

Year and Month	Electrical Equipment and Supplies	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1972	133.7	69.0	34.0	30.4	602.3	109.6	7.5	62.9
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	124.6	80.6	38.3	26.6	536.7	98.1	4.1	50.6
1978 Nov.	125.9	84.4	38.8	27.7	538.5	99.9	4.2	51.2
Dec.	126.1	85.1	38.9	26.2	534.2	99.2	4.1	50.5
1979 Jan.	126.6	83.5	39.2	25.2	529.3	96.8	4.1	49.6
Feb.	126.6	84.6	39.5	25.6	526.4	94.1	4.0	49.1
Mar.	126.5	84.6	39.8	25.9	528.1	95.2	4.0	49.3
Apr.	127.4	81.3	39.9	26.1	528.7	95.6	3.9	49.1
May	127.6	85.5	39.9	26.0	526.6	94.6	3.9	49.2
Jun.	128.3	87.2	40.4	26.7	533.1	96.4	3.9	49.2
Jul.	129.3	87.2	40.0	26.5	524.8	96.5	3.8	47.8
Aug.	120.4	86.3	39.3	27.0	528.6	98.6	3.7	48.8
Sep.	129.1	88.2	39.4	26.8	526.8	98.9	3.6	48.4
Oct.	128.6	88.9	39.5	26.9	524.7	98.9	3.5	48.2
Nov.	128.9	89.1	39.6	26.4	523.4	97.9	3.5	48.3

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1972	162.6	66.0	44.9	71.8	59.4	19.8	38.7	25.1
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	133.0	59.8	44.5	70.6	60.0	17.0	39.8	19.0
1978 Nov.	132.5	60.0	44.7	69.8	60.0	16.9	40.9	18.4
Dec.	128.4	58.4	45.0	71.1	60.5	16.6	40.7	18.1
1979 Jan.	127.6	58.9	44.5	70.8	60.6	16.6	40.5	18.1
Feb.	129.6	59.2	44.1	70.4	60.1	16.5	40.6	17.9
Mar.	128.9	59.4	44.3	70.8	60.8	16.6	40.7	17.5
Apr.	129.3	58.8	44.8	70.8	60.9	16.9	40.4	17.0
May	127.8	57.4	44.3	70.9	61.1	17.1	40.5	17.2
Jun.	128.8	58.5	45.2	71.3	62.1	17.6	41.2	17.4
Jul.	123.6	55.6	45.2	71.0	62.3	17.6	40.9	16.1
Aug.	123.2	54.3	46.1	70.8	62.1	17.7	40.7	16.9
Sep.	123.2	54.7	45.6	70.8	61.5	17.4	40.7	16.7
Oct.	122.4	54.6	44.8	70.9	61.4	17.1	40.8	16.7
Nov.	121.9	54.5	44.5	71.5	61.3	17.2	40.8	16.5

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

Industry Group	1979		1978	1977	ANNUAL AVERAGE	
	Nov.	Oct.	Nov.	Nov.	1978	1977
EMPLOYMENT						
All Manufacturing	87.9	88.2	88.3	86.4	87.5	86.2
Primary Metals	78.9	78.9	78.2	75.5	77.8	77.9
Apparel	67.9	68.2	73.8	74.9	74.1	74.6
All Nonmanufacturing	129.3	128.8	128.9	127.1	126.7	123.5
Construction	109.5	112.2	115.0	110.3	107.6	101.3
Retail Trade	131.3	129.5	134.2	131.6	129.3	124.8
Services	151.6	152.1	147.3	142.9	144.9	140.8
Government	124.7	122.7	123.5	128.0	126.6	125.4

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to:

OFFICE OF EMPLOYMENT SECURITY
Research and Statistics Division
Labor Market Information Section
Labor and Industry Building - Room 1225
Harrisburg, Pennsylvania 17121

GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN – BETHLEHEM – EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)
OCTOBER 1979

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Oct. 1979	Sep. 1979	Oct. 1978	Oct. 1979	Sep. 1979	Oct. 1978	Oct. 1979	Sep. 1979	Oct. 1978
PENNSYLVANIA	1,368.6	2.9	3.1	3.1	1.9	2.1	2.2	0.7	0.7	0.7
ALLENTOWN-BETHLEHEM-EASTON	110.6	3.0	2.7	1.9	1.7	1.6	1.5	1.0	0.8	0.3
ALTOONA	13.2	2.1	2.0	1.5	1.8	1.5	0.9	0.2	0.3	0.3
ERIE	45.5	2.6	3.2	3.8	1.8	2.2	3.1	0.4	0.5	0.3
HARRISBURG	43.3	2.9	3.0	2.5	2.2	2.5	1.9	0.5	0.3	0.3
JOHNSTOWN	19.8	2.8	2.0	3.5	1.2	1.0	0.9	1.6	0.9	2.5
LANCASTER	59.4	3.3	3.3	3.9	2.9	2.8	3.4	0.3	0.4	0.3
NORTHEAST	69.3	4.1	4.2	3.5	1.8	1.7	2.3	1.9	2.0	1.0
SCRANTON	28.5	4.5	4.4	4.1	2.0	2.1	2.6	2.4	1.8	1.3
WILKES-BARRE-HAZLETON	36.3	3.6	3.6	2.6	1.6	1.7	1.7	1.7	1.4	0.7
PHILADELPHIA	455.5	3.1	3.4	2.7	2.3	2.6	1.9	0.6	0.6	0.6
PITTSBURGH	253.1	2.3	2.1	2.0	1.1	1.1	1.1	0.9	0.6	0.6
READING	54.6	3.0	3.8	4.3	2.4	2.7	3.5	0.4	0.9	0.7
WILLIAMSPORT	17.4	1.3	1.6	3.5	0.7	0.8	2.3	0.5	0.6	1.1
YORK	66.6	4.2	5.3	6.3	3.5	3.7	4.7	0.6	1.4	1.5

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Oct. 1979	Sep. 1979	Oct. 1978	Oct. 1979	Sep. 1979	Oct. 1978	Oct. 1979	Sep. 1979	Oct. 1978
PENNSYLVANIA	1,368.6	3.1	3.5	3.0	1.1	1.6	1.3	1.3	1.2	1.0
ALLENTOWN-BETHLEHEM-EASTON	110.6	2.6	2.6	2.0	1.0	1.2	1.1	1.1	1.0	0.4
ALTOONA	13.2	2.4	2.5	2.8	0.8	1.2	1.1	1.0	1.2	1.3
ERIE	45.5	3.2	3.2	2.8	1.1	1.7	1.4	1.1	0.5	0.5
HARRISBURG	43.3	4.0	3.7	2.7	1.3	2.4	1.5	1.9	0.6	0.4
JOHNSTOWN	19.8	2.6	6.0	2.9	0.6	0.8	1.0	1.7	4.2	1.6
LANCASTER	59.4	3.6	3.8	3.5	2.0	2.3	2.4	0.9	0.9	0.5
NORTHEAST	69.3	4.7	4.5	3.8	1.2	1.6	1.5	2.8	2.3	1.7
SCRANTON	28.5	3.7	4.0	3.2	1.3	1.4	1.3	2.0	2.2	1.5
WILKES-BARRE-HAZLETON	36.3	3.8	3.6	3.8	1.2	1.6	1.4	1.9	1.5	1.9
PHILADELPHIA	455.5	3.2	3.6	2.7	1.3	1.7	1.0	1.2	1.0	1.1
PITTSBURGH	253.1	3.1	3.4	2.4	0.6	1.2	0.6	1.8	1.4	1.1
READING	54.6	3.0	3.1	3.2	1.6	1.8	2.0	0.8	0.6	0.5
WILLIAMSPORT	17.4	2.1	4.0	3.5	0.4	0.8	1.3	1.3	2.6	1.7
YORK	66.6	3.9	4.2	4.3	2.3	2.6	3.2	0.9	0.9	0.5

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
PENNSYLVANIA	$294.35	$284.57	$270.50	40.6	39.8	40.8	$7.25	$7.15	$6.63
ALLENTOWN-BETHLEHEM-EASTON	292.11	289.86	263.45	39.0	38.7	38.8	7.49	7.49	6.79
ALTOONA	243.76	241.74	213.01	39.7	39.5	37.7	6.14	6.12	5.65
ERIE	302.28	298.03	273.65	42.1	41.8	42.1	7.18	7.13	6.50
HARRISBURG	281.99	272.41	242.80	41.9	41.4	40.0	6.73	6.58	6.07
JOHNSTOWN	301.84	304.17	288.26	38.5	38.6	40.6	7.84	7.88	7.10
LANCASTER	263.13	256.26	239.09	41.9	41.2	40.8	6.28	6.22	5.86
NORTHEAST	208.48	200.75	189.86	37.7	36.7	37.3	5.53	5.47	5.09
SCRANTON	211.46	207.36	197.88	38.8	38.4	38.8	5.45	5.40	5.10
WILKES-BARRE-HAZLETON	204.79	193.40	182.01	36.7	35.1	35.9	5.58	5.51	5.07
PHILADELPHIA	291.91	285.91	274.44	40.6	40.1	40.9	7.19	7.13	6.71
PITTSBURGH	362.61	349.46	329.54	41.3	40.4	41.4	8.78	8.65	7.96
READING	268.71	260.24	238.73	39.4	38.9	39.2	6.82	6.69	6.09
WILLIAMSPORT	269.34	264.80	235.22	40.2	40.0	39.6	6.70	6.62	5.94
YORK	258.03	259.16	250.16	42.3	41.4	42.4	6.10	6.26	5.90

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Nov. 1979		Oct. 1979		Nov. 1978	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	5.6	5.8	5.6	6.0	5.5	5.8
PENNSYLVANIA	6.9	7.5	7.9	8.3	6.6	7.3
ALLENTOWN-BETH-EASTON	6.3	7.1	7.6	8.1	5.3	6.0
ALTOONA	8.7	9.7	9.9	10.7	8.3	9.2
ERIE	7.4	8.1	8.2	9.0	6.8	7.5
HARRISBURG	5.0	5.6	5.9	6.3	4.5	5.1
JOHNSTOWN	9.0	10.2	10.0	10.6	8.2	9.2
LANCASTER	4.5	5.3	5.4	6.2	4.1	4.8
NORTHEAST	8.7	9.6	9.8	10.7	8.3	9.2
SCRANTON	7.9	8.7	9.2	10.1	8.0	8.8
W BARRE-HAZLETON	9.1	10.2	10.2	10.8	8.5	9.5
PHILADELPHIA	6.5	7.0	7.6	7.6	6.9	7.4
PITTSBURGH	5.9	6.4	6.8	7.2	5.8	6.2
POTTSVILLE	9.3	-	10.6	-	8.5	-
READING	5.4	6.4	6.3	7.1	4.6	5.5
UNIONTOWN-CONNELLSVLE	10.1	-	11.6	-	7.9	-
WILLIAMSPORT	11.1	12.0	11.6	12.9	7.9	8.7
YORK	5.2	5.9	6.0	7.1	4.4	5.1

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
UNITED STATES	103,719.0	103,939.0	101,659.0	97,943.0	98,158.0	96,029.0	5,776.0	5,781.0	5,629.0
PENNSYLVANIA	5,375.0	5,364.0	5,332.0	5,006.0	4,938.0	4,980.0	369.0	426.0	352.0
ALLENTOWN-BETH-EASTON	302.3	301.3	297.0	283.3	278.6	281.4	19.0	22.8	15.7
ALTOONA	59.6	59.7	57.1	54.4	53.8	52.4	5.2	5.9	4.7
ERIE	127.9	127.8	126.2	118.4	117.3	117.5	9.5	10.5	8.6
HARRISBURG	217.6	217.0	215.7	206.8	204.3	205.9	10.8	12.7	9.8
JOHNSTOWN	110.5	110.2	106.7	100.6	99.3	98.0	10.0	11.0	8.7
LANCASTER	177.8	177.4	173.6	169.8	167.9	166.5	8.0	9.6	7.1
NORTHEAST	286.0	284.9	282.3	261.0	256.9	258.8	25.0	27.9	23.6
SCRANTON	104.8	104.6	103.9	96.5	95.0	95.7	8.3	9.6	8.3
W BARRE-HAZLETON	154.6	154.0	152.4	140.6	138.4	139.4	14.1	15.7	13.0
PHILADELPHIA	2,136.9	2,132.6	2,120.9	1,997.5	1,969.8	1,975.5	139.4	162.8	145.4
PITTSBURGH	1,019.3	1,017.8	1,006.2	959.0	948.6	948.3	60.4	69.2	57.9
POTTSVILLE	66.1	65.7	68.0	60.0	58.7	62.2	6.1	7.0	5.8
READING	156.9	155.7	149.9	148.5	145.9	143.0	8.4	9.8	6.9
UNIONTOWN-CONNELLSVLE	58.7	59.2	60.3	52.8	52.4	55.6	6.0	6.8	4.7
WILLIAMSPORT	56.0	55.6	54.2	49.8	49.2	49.9	6.2	6.5	4.3
YORK	171.9	172.3	168.9	163.0	162.0	161.4	8.9	10.4	7.5

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
UNITED STATES	90,987.0	90,667.0	88,622.0	75,080.0	74,909.0	72,919.0
PENNSYLVANIA	4,754.4	4,744.0	4,746.4	4,038.3	4,039.9	4,037.5
ALLENTOWN-BETHLEHEM-EASTON	262.7	260.8	262.3	233.0	231.2	231.6
ALTOONA	53.0	53.1	51.9	45.5	45.6	44.6
ERIE	117.1	117.2	117.9	102.6	103.3	103.1
HARRISBURG	213.9	213.9	216.3	158.2	158.4	160.3
JOHNSTOWN	90.3	90.1	89.0	74.0	73.8	73.9
LANCASTER	151.9	151.2	151.1	136.6	136.3	135.7
NORTHEAST	242.2	241.5	243.4	201.5	200.5	204.7
SCRANTON	88.5	88.3	87.0	76.4	75.3	75.4
WILKES-BARRE-HAZLETON	123.9	123.9	127.1	103.7	103.8	108.4
PHILADELPHIA	1,917.7	1,905.9	1,905.7	1,617.7	1,608.8	1,609.2
PITTSBURGH	949.3	951.2	952.3	828.5	829.3	831.2
POTTSVILLE	47.3	46.9	49.8	39.1	39.0	42.1
READING	142.8	141.9	139.4	125.2	124.6	121.6
UNIONTOWN-CONNELLSVILLE	35.6	35.6	37.9	28.9	29.0	31.1
WILLIAMSPORT	49.3	49.3	50.2	42.4	42.5	43.1
YORK	154.4	154.3	155.2	132.3	135.5	134.2

Area	Manufacturing			Nonmanufacturing		
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
UNITED STATES	21,017.0	21,085.0	20,903.0	69,970.0	69,582.0	67,719.0
PENNSYLVANIA	1,368.6	1,372.6	1,375.3	3,376.9	3,363.1	3,362.9
ALLENTOWN-BETHLEHEM-EASTON	111.0	110.6	110.3	151.7	150.1	151.9
ALTOONA	13.2	13.2	13.1	39.8	39.9	38.8
ERIE	44.6	45.5	45.3	72.5	71.5	72.6
HARRISBURG	43.0	43.3	42.2	170.2	170.1	174.1
JOHNSTOWN	19.9	19.8	20.3	70.4	70.3	68.5
LANCASTER	59.4	59.4	60.1	92.[illegible]	91.8	91.0
NORTHEAST	70.4	69.3	72.9	170.4	170.4	170.2
SCRANTON	29.3	28.5	28.5	58.6	58.6	58.4
WILKES-BARRE-HAZLETON	36.3	36.3	39.9	87.0	87.0	87.0
PHILADELPHIA	457.8	455.5	454.[illegible]	1,459.1	1,448.8	1,451.1
PITTSBURGH	252.2	253.1	253.0	695.8	695.2	697.2
POTTSVILLE	19.9	19.9	21.3	27.2	26.9	28.4
READING	55.0	54.6	54.2	87.8	87.3	84.2
UNIONTOWN-CONNELLSVILLE	8.3	8.3	8.5	27.3	27.0	29.4
WILLIAMSPORT	17.0	17.4	18.3	32.3	31.9	31.9
YORK	63.2	66.6	64.8	88.2	87.7	88.1

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.3	3.1		4.4	2.4	1.3	5.1	3.4		5.4	2.8	1.9	5.1	4.3		5.2	3.6	0.7	4.8	3.0		5.1	2.4	1.9
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
Oct.	3.9	2.9	0.8	3.9	2.0	1.3	5.2	3.4	1.6	5.2	2.4	2.1	5.0	4.4	0.4	4.5	3.1	0.8	4.1	3.0	0.8	4.8	2.3	1.8
Nov.	3.0	2.1	0.7	3.6	1.5	1.5	4.0	2.8	0.9	4.2	1.9	1.7	3.4	2.8	0.5	4.0	2.2	1.2	3.4	2.2	0.9	4.7	1.7	2.2
Dec.	2.2	1.4	0.7	3.5	1.2	1.6	2.6	1.9	0.6	4.8	1.5	2.5	2.5	1.7	0.7	3.5	1.6	1.3	2.0	1.2	0.7	4.8	1.2	2.8
1979																								
Jan.	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb.	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar.	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr.	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun.	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul.	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug.	4.2	2.7	1.2	5.0	2.9	1.4	5.4	3.5	1.4	4.6	3.1	0.8	4.4	3.4	0.9	6.2	3.7	0.4	5.3	2.6	2.4	6.5	2.8	2.7
Sep.	4.0	2.7	1.0	4.4	2.3	1.5	5.0	3.4	1.4	5.0	2.5	1.8	3.9	3.0	0.7	4.9	3.1	1.3	5.3	2.8	2.0	5.5	2.3	2.9
Oct.	3.6	2.4	1.0	3.7	1.6	1.5	4.1	2.9	1.0	4.7	1.9	1.8	4.2	3.1	1.0	4.0	2.2	1.2	4.9	2.4	2.2	5.0	1.8	2.5

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.1	2.6		3.0	1.7	0.6	2.8	2.2		2.9	1.6	0.8	2.5	1.8		2.4	1.2	0.6	1.6	1.3		2.0	0.7	0.4
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
Oct.	2.9	1.9	0.8	2.9	1.2	1.1	2.7	2.2	0.4	2.4	1.4	0.7	2.0	1.6	0.3	1.8	0.7	0.7	1.1	1.0	0.1	1.5	0.5	0.5
Nov.	1.9	1.3	0.5	3.3	0.8	2.0	2.5	1.6	0.8	2.3	1.2	0.8	1.4	1.0	0.3	1.4	0.6	0.4	0.7	0.5	N	1.5	0.3	0.7
Dec.	2.3	1.0	1.1	2.4	0.7	1.2	2.1	1.3	0.7	1.9	1.1	0.5	1.2	0.9	0.2	1.3	0.5	0.3	0.6	0.4	N	1.8	0.3	0.8
1979																								
Jan.	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb.	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar.	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr.	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun.	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul.	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.2
Aug.	3.6	2.6	0.9	4.5	2.7	0.8	2.5	1.9	0.1	3.2	2.2	0.4	1.9	1.6	0.3	2.8	1.9	0.4	2.4	0.9	0.1	3.6	2.5	0.4
Sep.	3.2	2.8	0.2	4.4	2.7	1.0	2.8	2.3	0.4	2.7	1.8	0.6	2.0	1.5	0.3	2.5	1.2	0.8	1.7	1.4	0.2	1.8	1.1	0.1
Oct.	2.9	2.2	0.5	3.0	1.2	1.1	2.7	2.3	0.4	2.2	1.3	0.6	1.8	1.4	0.3	1.6	0.7	0.5	1.1	0.9	0.1	1.2	0.3	0.5

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	5.0	3.9		4.8	2.7	0.9	7.5	6.3		7.9	5.7	1.3
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
Oct.	4.5	3.0	1.2	3.1	1.6	0.8	6.7	4.9	1.5	8.4	5.2	2.3
Nov.	2.9	2.0	0.6	3.0	1.3	1.1	5.8	4.2	1.1	7.5	4.2	2.5
Dec.	1.9	1.3	0.5	2.3	1.0	1.0	4.5	2.7	1.5	7.0	3.5	2.7
1979												
Jan.	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb.	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar.	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr.	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun.	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul.	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug.	3.9	2.8	0.7	5.6	3.3	1.3	10.4	6.5	3.7	10.8	6.7	3.4
Sep.	3.5	2.4	0.6	4.4	2.3	1.2	6.2	4.6	1.1	8.0	6.0	1.3
Oct.	3.5	2.3	0.8	3.8	1.2	1.3	5.5	4.7	0.3	6.9	4.3	1.7

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.7	2.7		3.5	1.8	0.9	3.3	2.4		3.0	1.5	0.7	6.4	5.2		6.6	4.2	1.4	4.1	2.4		3.8	1.6	1.5
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
Oct.	3.1	2.2	0.7	3.0	1.3	1.0	2.7	1.8	0.6	2.3	0.9	0.7	5.6	5.0	0.4	5.4	3.2	0.9	2.3	1.6	0.6	2.6	0.8	1.2
Nov.	2.3	1.5	0.6	2.7	1.0	1.1	2.0	1.2	0.6	2.1	0.6	0.9	3.9	3.4	0.3	4.1	3.3	0.9	1.8	1.0	0.5	2.5	0.7	0.9
Dec.	1.9	1.1	0.6	2.7	0.8	1.3	1.6	0.9	0.5	2.1	0.5	1.0	2.8	2.5	0.2	3.3	1.9	0.5	1.7	0.7	0.8	3.6	0.5	2.2
1979																								
Jan.	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.8	2.1	0.9	1.1	4.1	0.7	2.8
Feb.	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar.	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr.	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun.	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul.	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug.	3.5	2.2	1.0	4.2	2.3	1.2	3.0	1.8	0.9	3.7	1.8	1.1	6.9	5.2	1.6	6.8	4.4	0.7	2.9	1.7	1.1	4.1	2.1	1.4
Sep.	3.1	2.1	0.7	3.5	1.6	1.2	2.5	1.6	0.6	3.0	1.2	1.0	5.3	4.9	0.3	6.0	3.1	1.4	2.7	1.3	1.3	3.0	1.3	1.1
Oct.	2.9	1.9	0.7	3.1	1.1	1.3	2.4	1.6	0.6	2.8	0.9	1.2	3.9	3.2	0.6	4.1	2.0	1.0	1.7	1.1	0.5	3.5	0.7	2.1

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	2.4	1.8		2.1	1.0	0.4	4.0	2.9		3.8	1.7	1.2	2.8	2.3		2.1	1.2	0.3	3.2	2.4		3.0	1.5	0.6
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
Oct.	2.0	1.0	0.7	2.2	0.5	1.0	3.3	2.5	0.6	2.9	1.0	1.0	2.0	1.7	0.2	1.5	0.8	0.3	2.6	1.7	0.6	2.2	0.8	0.6
Nov.	1.7	0.7	0.8	1.6	0.4	0.7	2.6	1.4	0.9	3.0	0.8	1.7	1.6	1.3	0.2	1.4	0.6	0.4	2.0	1.1	0.6	1.9	0.7	0.7
Dec.	1.6	0.5	0.8	1.9	0.3	1.0	1.9	1.0	0.7	2.3	0.6	1.2	1.4	1.1	0.2	1.4	0.6	0.4	1.6	0.8	0.5	1.7	0.5	0.6
1979																								
Jan.	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb.	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar.	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr.	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun.	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.0	2.1	0.5	1.7	0.8	0.3
Jul.	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.8	0.8	1.5
Aug.	2.0	1.2	0.5	3.4	1.7	0.8	4.7	2.4	1.9	4.6	2.0	1.9	2.3	1.5	0.6	2.3	1.3	0.4	3.0	2.1	0.5	3.9	2.0	1.0
Sep.	1.7	1.0	0.5	3.4	1.0	1.6	3.3	2.3	0.7	3.0	1.2	1.1	1.8	1.5	0.2	2.0	0.9	0.5	2.4	1.5	0.4	2.3	1.2	0.4
Oct.	2.1	0.9	0.9	2.9	0.5	1.7	3.2	2.1	1.0	2.9	0.9	1.2	1.9	1.7	0.2	1.6	0.8	0.3	1.9	1.2	0.3	2.0	0.7	0.7

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.4	2.6		3.8	1.4	1.2	2.9	2.4		2.8	1.6	0.5	3.6	2.7		3.5	2.0	0.9
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
Oct.	3.3	1.8	1.1	2.1	0.7	0.4	2.4	2.0	0.3	1.4	0.9	0.2	4.3	3.6	0.6	2.9	1.4	1.0
Nov.	2.5	1.2	0.7	1.7	0.5	0.5	1.6	1.2	0.3	1.3	0.7	0.1	1.8	1.2	0.5	4.0	1.1	2.5
Dec.	1.6	0.8	0.3	2.0	0.3	1.0	1.1	0.9	0.1	1.2	0.6	0.1	1.7	0.6	1.0	5.5	0.8	4.1
1979																		
Jan.	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb.	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar.	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr.	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun.	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul.	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.7	1.4	2.2
Aug.	3.1	1.4	1.2	3.4	1.1	1.4	1.9	1.2	0.5	2.6	1.5	0.3	4.8	3.4	1.3	6.2	3.7	1.9
Sep.	3.1	1.7	1.0	3.1	1.0	1.2	1.5	1.2	0.2	3.0	1.1	1.0	4.0	3.2	0.6	3.8	2.0	1.0
Oct.	3.3	2.0	0.7	3.5	0.9	1.4	1.5	1.2	0.1	1.7	0.8	0.5	3.7	3.3	0.4	4.5	2.6	0.8

N = Negligible